



PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwish Production of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	Substitute for form 1449A/PTO  INFORMATION DISCLOSURE			С	omplete if Known
				Application Number	09/132,085
				Filing Date	August 10, 1998
	STATEMENT BY APP	LIC	ANT	First Named Inventor	MATSUBARA, KIYOSHI
				Art Unit	2818
	(use as many sheets as neo	cessai	γ)	Examiner Name	V. LE
Sheet 1 of 1		Attorney Docket Number	500.32032CC6		

			U.S. PATENT I	DOCUMENTS		
Examiner Initials'	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		US-	MIVI-DD-1111	Applicant of Cited Document	Figures Appear	
		US-			-	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-		-	*	
		US-				

		FOREIC	SN PATENT DO	CUMENTS		
Initials' No	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	76
	No.¹	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	
34		JP 60-254344	12/16/1985	SANO YOSHINOBU		
,9u		JP 59-071179	04/21/1984	NISHIKAWA SEIICHI et al		
			,			
				1.	Datable Doc True.	
			<del>                                     </del>			<del></del>
			-			
			· <del> </del>			╁
						1
	<del></del>		<del></del>			+

Examiner Signature	Vu le	Date 8/9/04	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

APR 0 2 1999

FORM PTO-1449 Equivalent U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.500.32032CC6 SERIAL NO. 09/132,085

APPLICANT: K. Matsubara, et al. FILING DATE: August 10, 1998

GROUP: 2818

### U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	CLASS SUBCLASS	FILING DATE IF APPROPRIATE
194	5,199,001	3/93	TZENG	365/218	
gu	5,255,237	10/93	KODAMA	365/218 365/218 STAL. 365/218	
94	5,418,742	5/95	HARARI, E	T AL. 365/218	
ou	5,390,146	2/95	ATWOOD, E	ET AL.	

#### FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS SUBCLASS	`TRANSLATION``
				<del></del>

wo.

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

· Vu Le

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

APR 0 6 1999

TECHNOLOGY CENTER 2800

FORM PTO-1449 Equivalent U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.500.32032CC6 SERIAL NO. 09/132,085 APPLICANT: K. Matsubara, et al. FILING DATE: August 10, 1998

GROUP: 2818

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	NAME CLASS SUBCLASS		FILING DATE IF APPROPRIATE	
سو م	4,975,878 - 5,199,001	12/90 3/93	BODDU, E'	T AL.			ALL. of Teleti
<i>(90</i>	5,255,237 5,418,742	10/93 5/95	KODAMA HARARI,	ET AL.			から <u>facts cover</u> HACO ACOSETT MATES IN
90	5,390,146	2/95	ATWOOD,	ET AL.	,		and the second of the second o

# FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS SUBCLASS	: 1	:	ANSLATION	
			:	17.	; 1.7		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

Va Le

Date Considered 7/17/01

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





# Sheet 1 of 1

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE	ATTY. DKT. NO.	SERIAL NO.
	PATENT AND TRADEMARK OFFICE	500.32032CC6	09/132,085
		APPLICANT	
INFORMAT	ION DISCLOSURE STATEMENT BY APPLICANT	K. MATSUBARA, et	al.
		FILING DATE	GROUP
(U	se several sheets if necessary)	8/10/98	2818 .

## **U.S. PATENT DOCUMENTS**

Examin Initial	er	Document Number	Date	Name	Class	Subclass	Filing Date
84	AA	4,794,558	12/27/88	Thompson	364	900	9/25/86
سن	AB	5,097,445	3/17/92	Yamauchi	365	195	12/14/89
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ				,	,	. ,
	AK				:	: =	<b>.</b> ;
	AL				=		

# FOREIGN PATENT DOCUMENTS

Examiner Initial		Document	D-4-	C	Class	Subclass	Translation.	
Initial		Number	Date	Country	Class	Subciass	Yes	No
છ્ય	AM	0 489 204 A1	6/10/92	European		7.5	# 1 1	
GV.	AN	0 183 232 A2	6/4/86	European	1	÷	.r :	
<u>w</u>	AO	0 447 856 A1	9/25/90	European			- ,	
	AP							
	AQ				<u>.</u>			
	AR				-		-	
	AS							
	AT							

# OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	J					
AV	7			•		
AW	V					
AX	(		,			
AY	7					
AZ	Z.	-				
Examiner	Vu	Le			Date Considered	



Form PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DKT. NO. 500.32032CC6

SERIAL NO. 09/132,085

INFORMATION DISCLOSURE STA BY APPLICANT

K. MATSUBARA, et al.

APPLICANT

FILING DATE 8/10/98

**GROUP** 2818

(Use several sheets if necessary)

## U.S. PATENT

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date	
AA							
AB					<u></u> -(	_	
AC					15.7	. 1	
AD							
AE							
AF							
AG					**************************************		
AH	*				Ç.,	4	
AI							
AJ				,	, ,-		
AK				-	:		
AL							

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Data	Data Country	 Class	Subclass	Translation	
Initiai		umber Date Country	Class	Subciass	Yes	No	
AM						. 1 :	Per i
AN				:	1.50	ut 1. j	57.2 \$
AO							
AP	- 33						
AQ							
AR							
AS							
AT							

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		THER BOOMESTER (Including Hutin	Thirty Date; I estiment I agos, 2001,						
19-4	AU	Block Structure in Flash Memory, Electronic Engineering 63 (1991) July, No. 775, Woolwich, London, GB							
	AV								
	AW								
	AX								
	AY								
	AZ								
Examin	er	11. 10	Date Considered						



(Use several sheets if necessar)(I)

INFORMATION DISCLOSURE SA BY APPLICANT

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

**ATTY. DKT. NO.** 500.32032CC6

**SERIAL NO.** 09/132,085

APPLICANT

K. Matsubara, et al.

FILING DATE

GROUP

8/10/98

2818

U.S. PARENT DOCUMENTS

Examiner Initial		Document Number	Date	Name		Class	Subclass	Filing Date	
سور	AA	A 5,602,738	2/11/97	Sasaki					
	AB								
	AC								
	AD								
	AE					<u> </u>			
	AF								
	AG								
-	AH								
	ΑI								
	AJ								
	AK								
	AL				•				

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number Date Country	D. d.	Class	Subclass	Translation		
			Country			Yes	No	
194	AM	63-206852	8/26/88	Japan		_		
Vei	AN	2-89555	7/16/90	Japan	_	_		
1024	AO	1-298600	12/1/89	Japan				
1 Jell	AP	1-273296	11/1/89	Japan				
<del>vei</del>	AQ	62-117633	6/25/87	Japan				
ou	AR	2-310786	12/26/90	Japan			X	
٧٤	AS	3-229955	10/11/91	Japan (USP 5,602,739	_			
	AT			is counterpart)				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

سو	AU	Ko-Min Chang, "A Modular Flash EEPROM Technology For 0.8μm High Speed Logic Circuits", IEEE 1991 Custom Integrated Circuits Conference, pp. 18.7.1-18.7.4.	
	AV		
	AW		
	AX		
	AY		
	AZ		
Examin	er	Vu Le Date Considered	

•